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DATE: April 13, 2004

PTO IDENTIFIER: Application Number 09/670756-Conf. #6507  
Patent Number

Inventor: Kenneth RHODES et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (703) 872-9306

FROM: LAHIVE &amp; COCKFIELD, LLP

Jonathan M. Sparks, Ph.D.

PHONE: (617) 227-7400

Attorney Dkt. #: AHN-070CP4

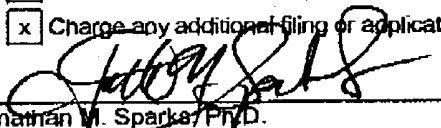
PAGES (Including Cover Sheet): 15

CONTENTS: Amendment Transmittal (1 page);  
Amendment and Response to Final Office Action (9 pages)  
Associate Power of Attorney (1 page), and  
Certificate of Transmission under 37 CFR 1.8 (1 page).

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<b>AMENDMENT TRANSMITTAL LETTER</b>				Docket No. AHN-070CP4	
Application No. 09/670756-Conf. #6507		Filing Date September 27, 2000		Examiner J. F. Murphy	
				Art Unit 1646	
Applicant(s): Kenneth RHODES et al.					
Invention: POTASSIUM CHANNEL INTERACTORS AND USES THEREFOR					
<b>TO THE COMMISSIONER FOR PATENTS</b>					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	22	- 54 =	0	x	0.00
Independent Claims	7	- 15 =	0	x	
Multiple Dependent Claims (check if applicable) <input checked="" type="checkbox"/>					
Other fee (please specify):					
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b>					0.00
<input checked="" type="checkbox"/> Large Entity <span style="margin-left: 200px;"><input type="checkbox"/> Small Entity</span>					
<input checked="" type="checkbox"/> No additional fee is required for this amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____ A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>12-0080</u> as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
 Jonathan M. Sparker, Ph.D. Attorney Reg. No.: 53,624				Dated: <u>April 13, 2004</u>	
LAHIVE & COCKFIELD, LLP 28 State Street Boston, Massachusetts 02109 (617) 227-7400					

PTO/SB/97 (12-97)

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Amendment Transmittal (1 page);  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Rhodes, K. *et al.*

Serial No.: 09/670,756

Filed: September 27, 2000

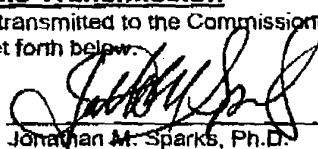
For: *POTASSIUM CHANNEL INTERACTORS AND  
USES THEREFOR*Attorney Docket No.: AHN-070CP4  
(Previously MNI-070CP4)

Group Art Unit: 1646

Examiner: Murphy, Joseph F.

Commissioner for Patents  
MS AF  
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By:

  
Jonathan M. Sparks, Ph.D.  
Agent for Applicants  
Reg. No.: 53,624**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION**

Dear Sir:

This communication is responsive to the Office Action dated January 13, 2004. Please  
amend the above-identified application as follows.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this  
paper.

Remarks/Arguments begin on page 5.